

Converting Colors

YIQ(111.0790, 77.8490, 15.3610)

Have a look what the booklet for
YIQ(111.0790, 77.8490, 15.3610)
contains.

YIQ(111.0790, 77.8490, 15.3610)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(111.0790, 77.8490,
15.3610)**

Conversions

Conversions Part 1

Format	Color
Hex	C35033
RGB	195, 80, 51
RGB Percent	76%, 31%, 20%
CMY	0.2350, 0.6864, 0.7997
CMYK	0.00, 0.59, 0.74, 0.24
HSL	12°, 58%, 48%
HSV	12°, 74%, 76%
XYZ	25.9870, 17.5808, 5.1655
YIQ	111.0790, 77.8490, 15.3610

Conversions

Conversions Part 2

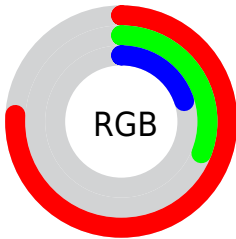
Format	Color
R_{YB}	195, 87, 51
Decimal	12800051
CIE _{Lab}	48.98, 44.42, 39.64
CIE _{LCh}	49, 59.534, 41.745
Yxy	17.5808, 0.5332, 0.3608
Android (android.graphics.Color)	4290990131 (0xFFC35033)
YUV	111.0790, -29.6189, 73.5987
Hunter-Lab	41.9294, 37.2543, 22.0464

Details

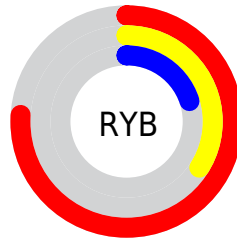
The YIQ color **111.0790, 77.8490, 15.3610** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **134.9210, -77.8490, -15.3610**, and the grayscale version is **111.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **165.6020, 83.6260, 15.2900**, and **55.8980, 71.1090, 16.3650** is the 20% darker color. If you saturate the color by 10%, you get **99.5210, 88.3480, 17.8200**, and if you desaturate by 10%, it is **122.7510, 67.0290, 13.2130**.

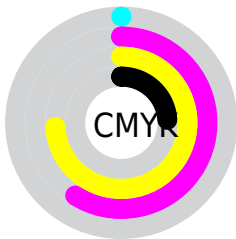
Distribution



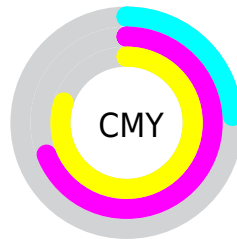
- Red (76%)
- Green (31%)
- Blue (20%)



- Red (76%)
- Yellow (34%)
- Blue (20%)



- Cyan (0%)
- Magenta (59%)
- Yellow (74%)
- Black (24%)




- Cyan (24%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 111.0790, 77.8490, 15.3610 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 111.0790, 77.8490, 15.3610 by changing the saturation by 10% instead.


 111.0790, 77.8490,
15.3610


 111.0790, 77.8490,
15.3610


255.0000, -0.0000,
-0.0000


 84.2250, 74.5020,
15.4460


 165.6020, 83.6260,
15.2900


 55.3110, 71.3840,
16.8880


 184.3010, 68.1760,
8.9440


 31.3950, 62.5800,
22.2600

 203.7010, 52.1300,
2.3860

 22.7240, 45.2960,
16.1120

 223.2150, 35.7630,
-3.8610

 15.1780, 29.1580,
11.2220

 243.4300, 18.8000,
-10.3200

 0.0000, 0.0000,
0.0000

 252.4920, 7.0620,

-6.8420

■ 111.0790, 77.8490,
15.3610

■ 111.0790, 77.8490,
15.3610

■ 99.5210, 88.3480,
17.8200

■ 122.7510, 67.0290,
13.2130

■ 88.4360, 98.8930,
19.4450

■ 133.7220, 56.8050,
11.2770

■ 81.1980, 105.4950,
20.9430

■ 145.3940, 45.9850,
9.1290

■ 156.3650, 35.7610,
7.1930

■ 168.0370, 24.9410,
5.0450

■ 179.5950, 14.4420,
2.5860

■ 190.6800, 3.8970,
0.9610

■ 202.2380, -6.6020,
-1.4980

■ 213.3230,
-17.1470, -3.1230

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



109.8610, 73.6720, 41.5120



111.0790, 77.8490, 15.3610



109.7960, 70.0150, -18.8890

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



111.0790, 77.8490, 15.3610



89.8810, -64.3180, -45.8380



99.8920, -86.9320, 11.5960

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



111.0790, 77.8490, 15.3610



134.9210, -77.8490, -15.3610

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0650, -104.0770, -2.5810



111.0790, 77.8490, 15.3610



96.9830, -81.5600, -30.7120

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



111.0790, 77.8490, 15.3610



100.2680, -8.4280, -45.5160



101.8680, -96.6930, -15.2610



119.2360, -1.9790, 41.3890

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



111.0790, 77.8490, 15.3610



108.4680, 50.0270, -31.1010



101.8680, -96.6930, -15.2610



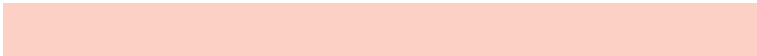
96.4660, -103.5280, 3.9920

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



111.0790, 77.8490, 15.3610



219.9020, 29.7550, 5.9070



107.1660, 48.9090, 66.2930



108.2750, 18.3390, 3.5470



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



111.0790, 77.8490, 15.3610



121.3910, 121.1290, 23.9530



153.3430, 58.0490, -22.2950



91.1640, 5.4100, 1.0740



66.9230, 87.1560, 17.3960



13.9760, 17.7430, 3.3350

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



134.9210, -77.8490, -15.3610



158.6090, -121.1290, -23.9530



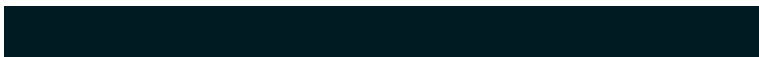
92.6570, -58.0490, 22.2950



92.8360, -5.4100, -1.0740



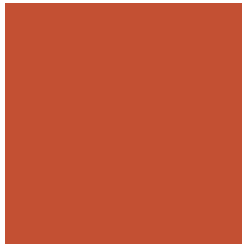
93.4900, -86.8810, -16.8730



19.6110, -18.0180, -3.8580

Previews

White Background



This preview shows how the YIQ color 111.0790, 77.8490, 15.3610 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 111.0790, 77.8490, 15.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

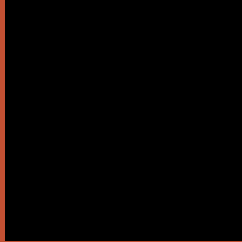
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 111.0790, 77.8490, 15.3610

Background



This preview shows how black text looks on a background with the YIQ color 111.0790, 77.8490, 15.3610.



This preview shows how white text looks on a background with the YIQ color 111.0790, 77.8490,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

111.0790, 77.8490, 15.3610

Protanopia

114.4320, 24.4860, -14.2500

Deuteranopia

113.8270, 42.3670, -13.4170



Tritanopia

112.4500, 69.9150, 26.9950

Trichromacy



Original Color

111.0790, 77.8490, 15.3610

Protanomaly

113.5210, 43.6490, -3.6070

Deuteranomaly

113.0940, 55.1570, -2.9150

Tritanomaly

111.7830, 73.1710, 23.0510

Monochromacy



Original Color

111.0790, 77.8490, 15.3610

Achromatopsia

111.0000, -0.0000, 0.0000

Achromatomaly

111.3040, 28.5630, 5.4830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 111.0790, 77.8490, 15.3610 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 80, 51)` looks like.

```
.text, #text, p{  
    color:rgb(195, 80, 51)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 80, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 80, 51) }
```

Border

The CSS property to change the border of an element to YIQ 111.0790, 77.8490, 15.3610 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 80, 51) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(195, 80, 51) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(195, 80, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 80, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 80, 51);  
box-shadow:4px 4px 4px 4px rgb(195, 80,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 111.0790, 77.8490, 15.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 80, 51) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195, 80,  
51) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor